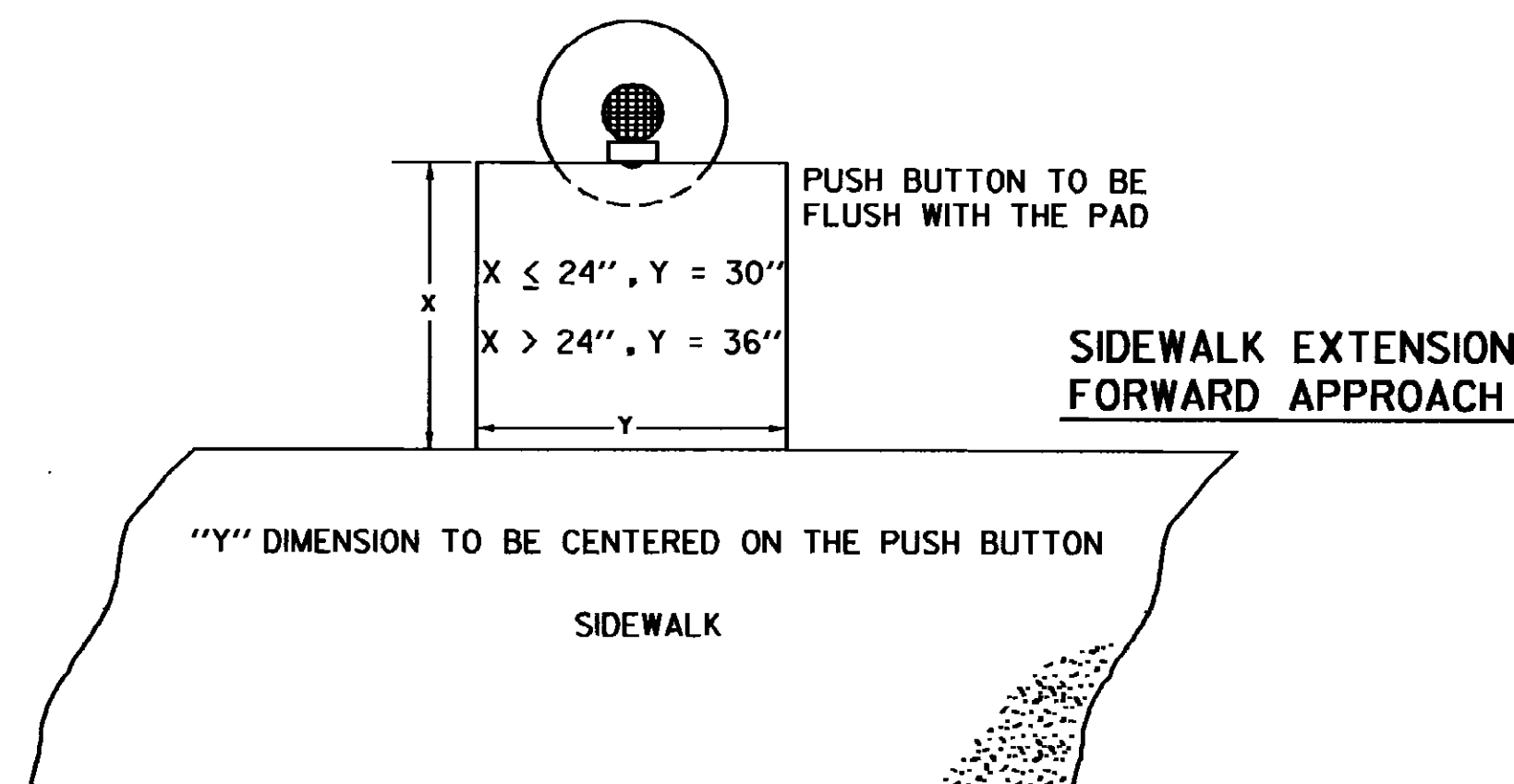
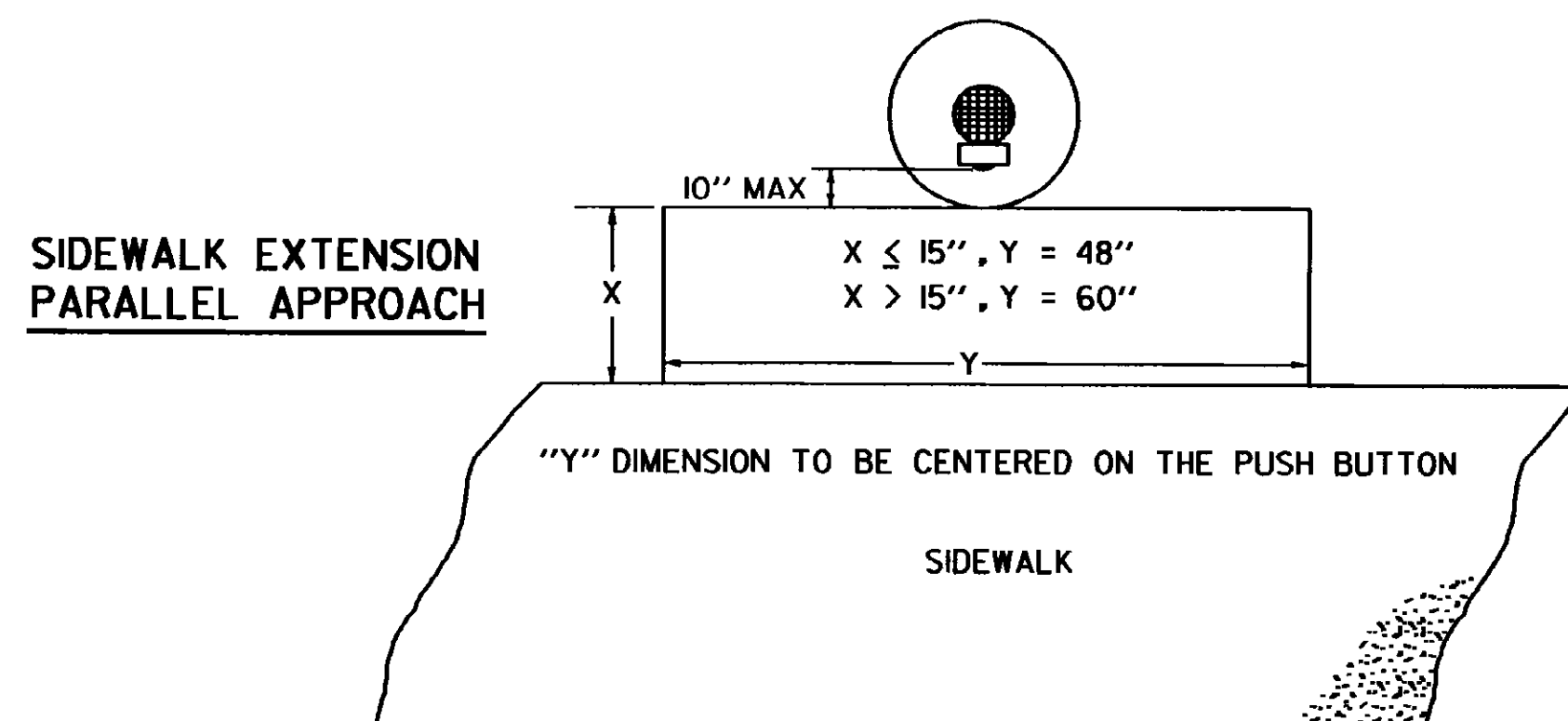
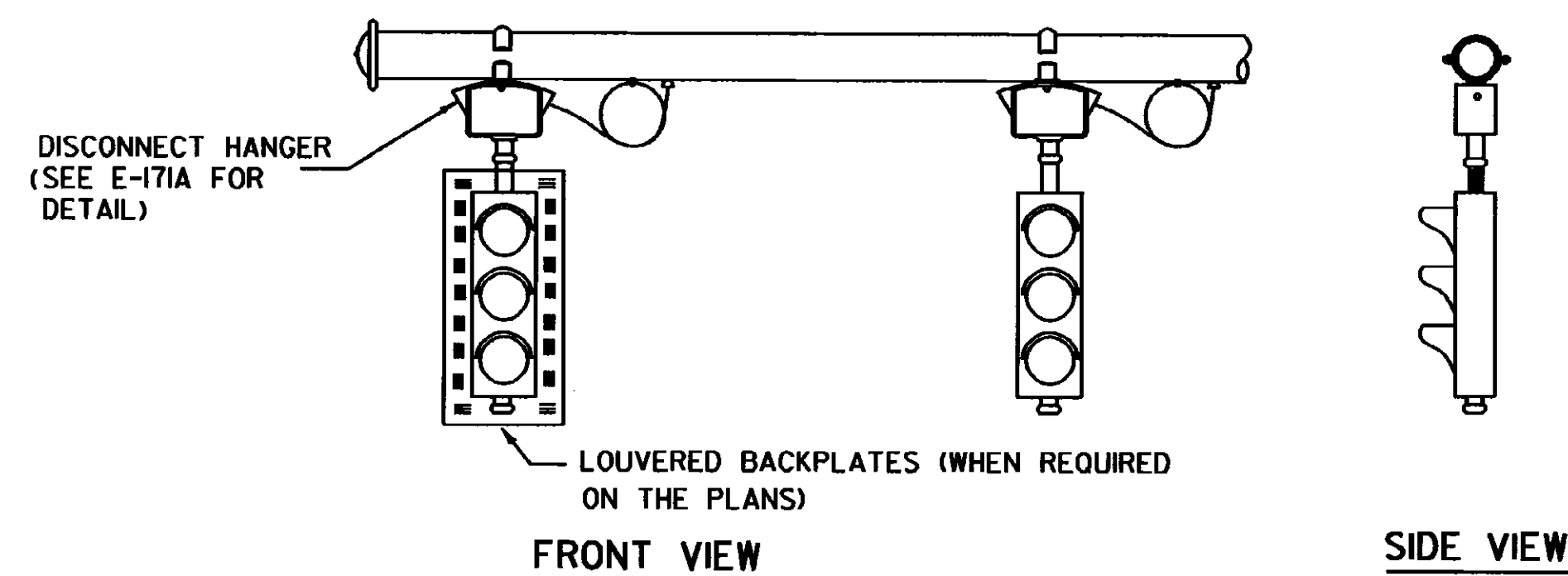


IF THE PEDESTRIAN PUSH BUTTON IS NOT LOCATED WITHIN 10' OF THE SIDEWALK, AN EXTENSION TO THE SIDEWALK MUST BE PROVIDED AS SHOWN BELOW. BUTTONS LOCATED ON THE SIDE OF CONTROLLER CABINETS MAY REQUIRE EXTENSION OF THE CONCRETE PAD, SHOWN ON STD E-171B, TO MEET THIS REQUIREMENT.

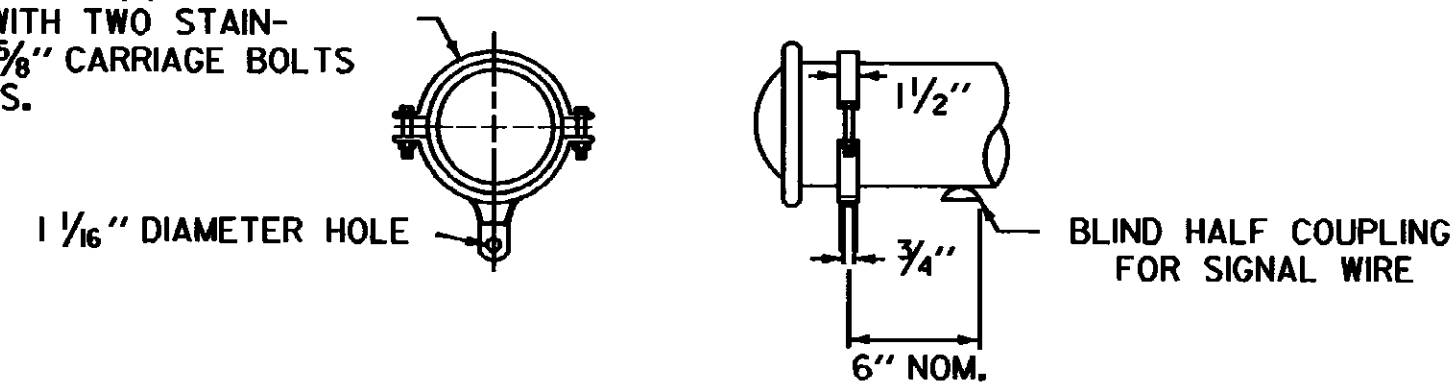
WHEN SIDEWALK EXTENSIONS ARE PROVIDED, A SUBBASE OF FINE GRADED CRUSHED GRAVEL SHALL BE PLACED AND ASPHALT IMPREGNATED FELT SHALL BE USED BETWEEN THE EXTENSION AND THE SIDEWALK AS SHOWN ON STD E-171B.



**PEDESTRIAN PUSH BUTTON
ACCESSIBILITY DETAIL**



CLAMP AND CLEVIS 1/4" STEEL GALVANIZED, WITH TWO STAINLESS STEEL 3/8" CARRIAGE BOLTS AND HEX NUTS.

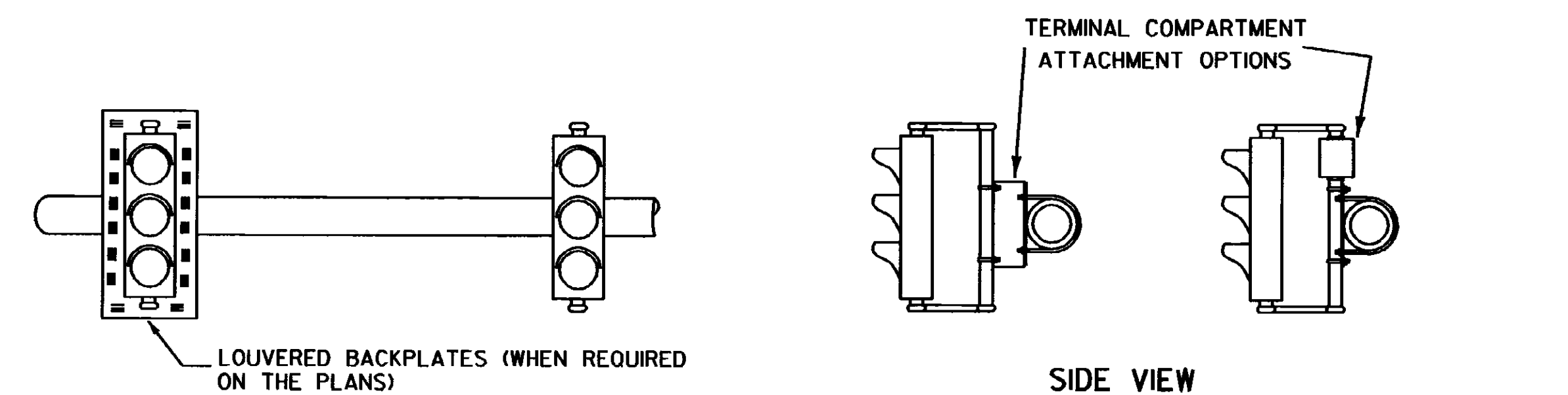


**MAST ARM MOUNTING DETAILS
FOR FREE SWINGING TRAFFIC SIGNALS**

CANTILEVER MOUNTED TRAFFIC SIGNALS (AND LUMINAIRES)

MINIMUM SIGNAL CLEARANCE SHALL BE:
16.5' FOR FREE SWINGING HEADS, OR
17' FOR FIXED MOUNTED HEADS

SEE THE CANTILEVER / FOOTING DETAIL SHEET(S) FOR
ADDITIONAL INFORMATION.



FRONT VIEW

SIDE VIEW

SIGNAL MOUNTING PLATE SCHEDULE			
ARM DIAMETER	A	B	C
3 1/8" - 5 3/8"	8 3/4"	5 3/8"	1 1/8"
5 3/8" - 7 1/8"	10 3/4"	7 3/8"	1 1/8"
7 1/8" - 11 3/8"	14"	10 7/8"	1 1/8"

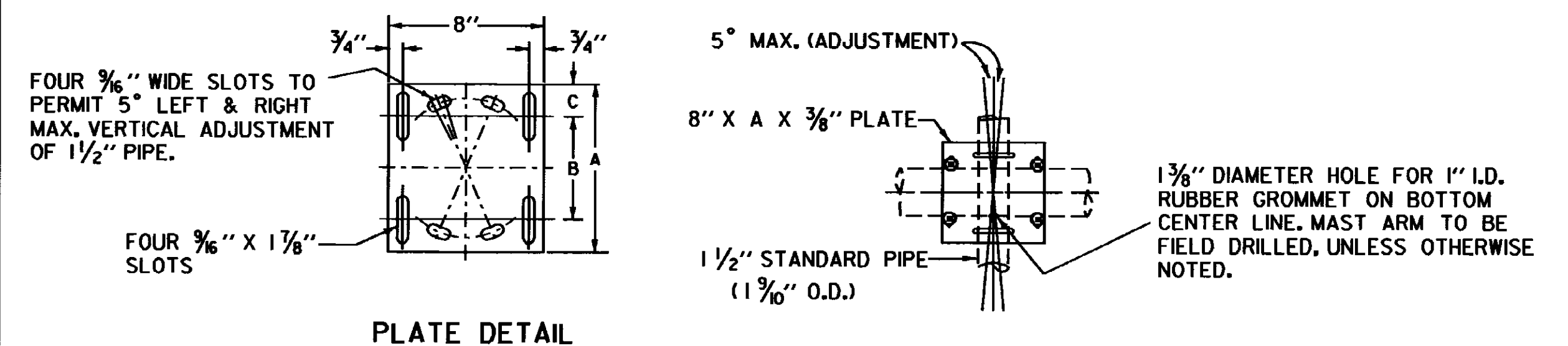
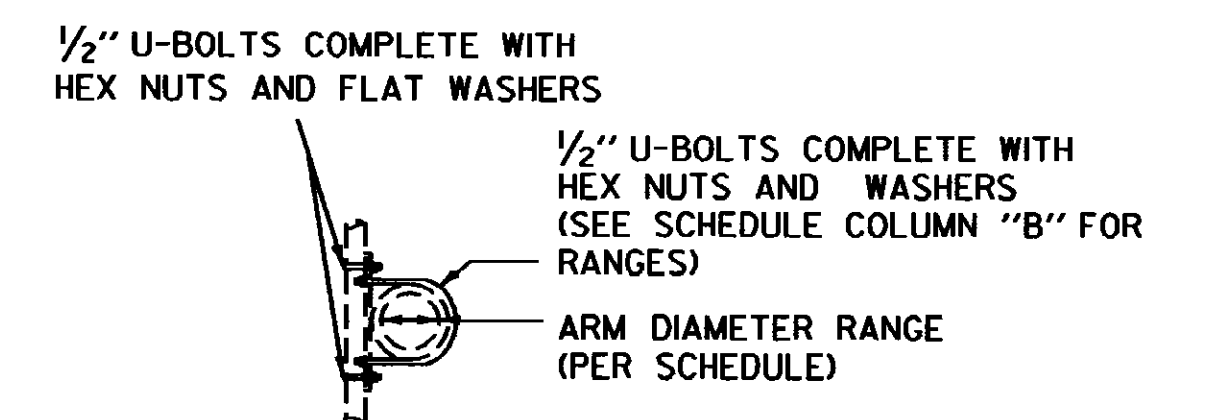


PLATE DETAIL

1. ALTERNATE METHODS FOR RIGID MOUNTING OF SIGNALS TO MAST ARMS MAY BE USED. SHOP DRAWINGS FOR THE ALTERNATE METHOD HARDWARE SHALL BE SUBMITTED TO THE TRAFFIC DESIGN SECTION VIA THE RESIDENT ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION.
2. ALL RIGIDLY MOUNTED TRAFFIC AND PEDESTRIAN SIGNALS SHALL BE PROVIDED WITH REINFORCEMENT PLATES AT THE ATTACHMENT POINTS.
3. ALL NUTS, BOLTS AND WASHERS SHALL BE STAINLESS STEEL.
4. ALL OTHER MOUNTING BRACKET MATERIALS SHALL BE GALVANIZED STEEL.

**MAST ARM MOUNTING DETAILS FOR FIXED MOUNT TRAFFIC SIGNALS
(PREFERRED METHOD)**

REVISIONS AND CORRECTIONS

NOV. 17, 1993 - DATE OF ORIGINAL ISSUE

AUG. 9, 1995 - ADDED PED. PUSH BUTTON ACCESSIBILITY DETAIL, REMOVED GENERAL CANTILEVER DETAIL, MINOR CORRECTIONS

APPROVED FOR THIS PROJECT
AND/OR DESIGN IMPLEMENTATION.
FHWA FINAL APPROVAL PENDING.

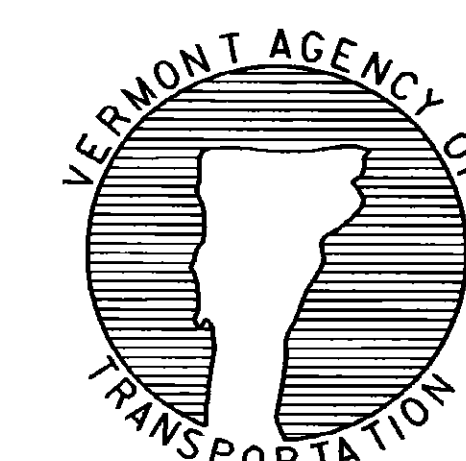
APPROVED

Stephen D. MacArthur
DIRECTOR OF ENGINEERING

David A. Ross
TRAFFIC AND SAFETY ENGINEER

TRAFFIC CONTROL SIGNALS CANTILEVER MOUNTING DETAILS PED. PUSH BUTTON ACCESSIBILITY DETAIL

OTHER STDS. REQUIRED E - 170 , E - 171A , E - 171B



STANDARD
E-171C